

TITLE OF THE INVENTION

DNA ENCODING MAMMALIAN HISTAMINE H4 RECEPTOR

ABSTRACT OF THE INVENTION

5           DNAs encoding the mammalian histamine H4 receptors have been cloned  
and characterized. These recombinant molecules are capable of expressing  
biologically active histamine H4 receptor protein. The cDNA's have been expressed  
in recombinant host cells that produce active recombinant protein. The  
pharmacology of known histamine ligands is demonstrated. The recombinant  
10       protein may be purified from the recombinant host cells. In addition, recombinant  
host cells are utilized to establish methods to identify modulators of the receptor  
activity, and receptor modulators are identified.

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